

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the present application. Please amend, without prejudice, the claims in the current application as provided below in the Listing of the Claims.

LISTING OF THE CLAIMS:

Claims 1 to 4 (Cancelled).

5. (Currently Amended) A method for manufacturing a cooling plate having a plate member, comprising the steps of:

initially providing a raw ingot made of a copper material, and the raw ingot having a starting thickness greater than a final thickness of the plate member;

reducing the starting thickness of the raw ingot to the final thickness of the plate member, using at least one forming step; and

producing coolant channels in one of the raw ingot and the plate member prior to attaining the final thickness wherein the step of reducing the starting thickness of a raw ingot is accomplished by cold rolling; the step of producing channels having circular cross-sections is subsequent to the rolling, the channels having a circular cross-section; and the step of reducing continues to reduce the ingot to the final thickness of the plate member, while the channels are deformed into coolant channels having oval cross-sections.

6. (Cancelled)

7. (Cancelled)

8. (Previously Presented) The method as recited in claim 5, wherein the channels having circular cross-sections are mechanically drilled into one of the raw ingot and the plate member, using a deep-hole drilling.

9. (Cancelled)